FIG. 1

MOBILE TELEPHONE DEVICE
10

ANT.

101 RADIO SYSTEM

102 PROCESSOR

103 PHONE DIRECTORY MEMORY

104 REDIAL NUMBER MEMORY

105

106 REDIAL KEY A

108 CALLING KEY

107 REDIAL KEY B

109 DISPLAY

FIG. 2

PHONE DIRECTORY MEMORY 103

REGISTERED NAME	REGISTERED NUM.1	REGISTERED NUM.2	· · ·	REGISTERED NUM.N
$NAME_1$	TEL_{11}	TEL_{12}	· · ·	TEL_{1N}
$NAME_2$	TEL_{21}	TEL_{22}	· · ·	TEL_{2N}
. . .	. . .	. . .		. . .
$NAME_M$	TEL_{M1}	TEL_{M2}	· · ·	TEL_{MN}

FIG. 3

REDIAL NUMBER MEMORY 104

RN_1
RN_2
. . .
RN_L
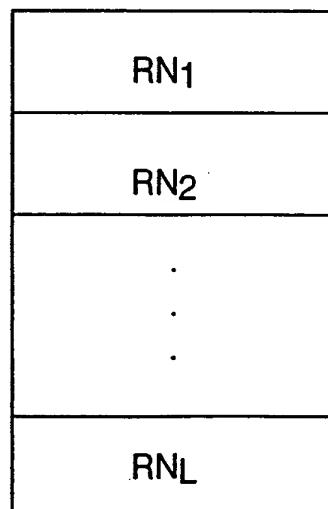
FIG. 4

OPERATION OF REDIAL KEY A

FIG. 5

OPERATION OF REDIAL KEY B

S501

PUSH
OF REDIAL KEY B
DETECTED? — NO →

YES

S502

REDIAL NUM. SELECTED
ALREADY? — NO →

YES   S503

SEQUENTIALLY SELECT A
PHONE NUMBER RELATED TO
SELECTED REDIAL NUMBER

DISPLAY RETRIEVED PHONE NUM. — S504

S505

PUSH OF CALLING
KEY DETECTED? — NO →

YES

CALLING — S506
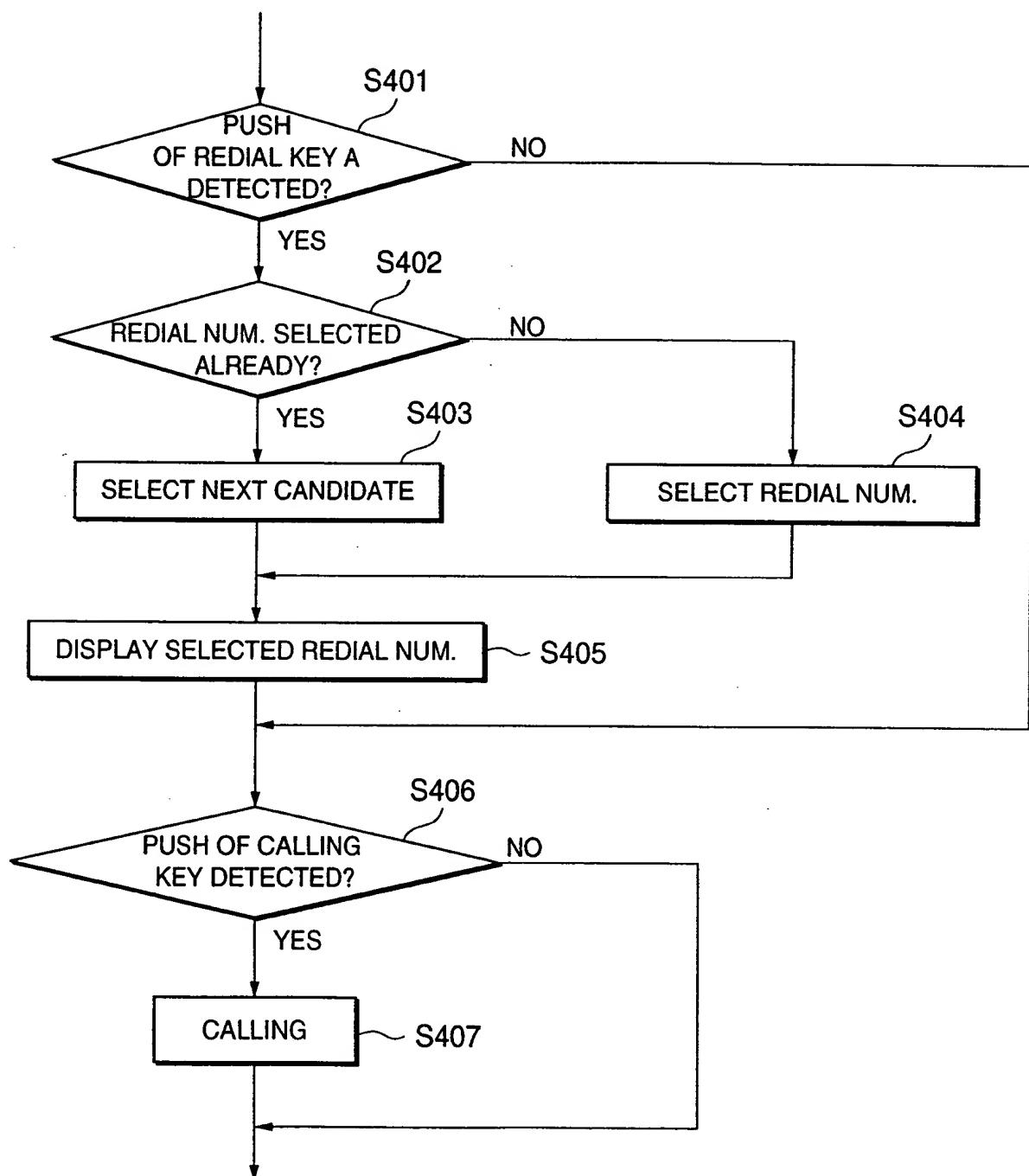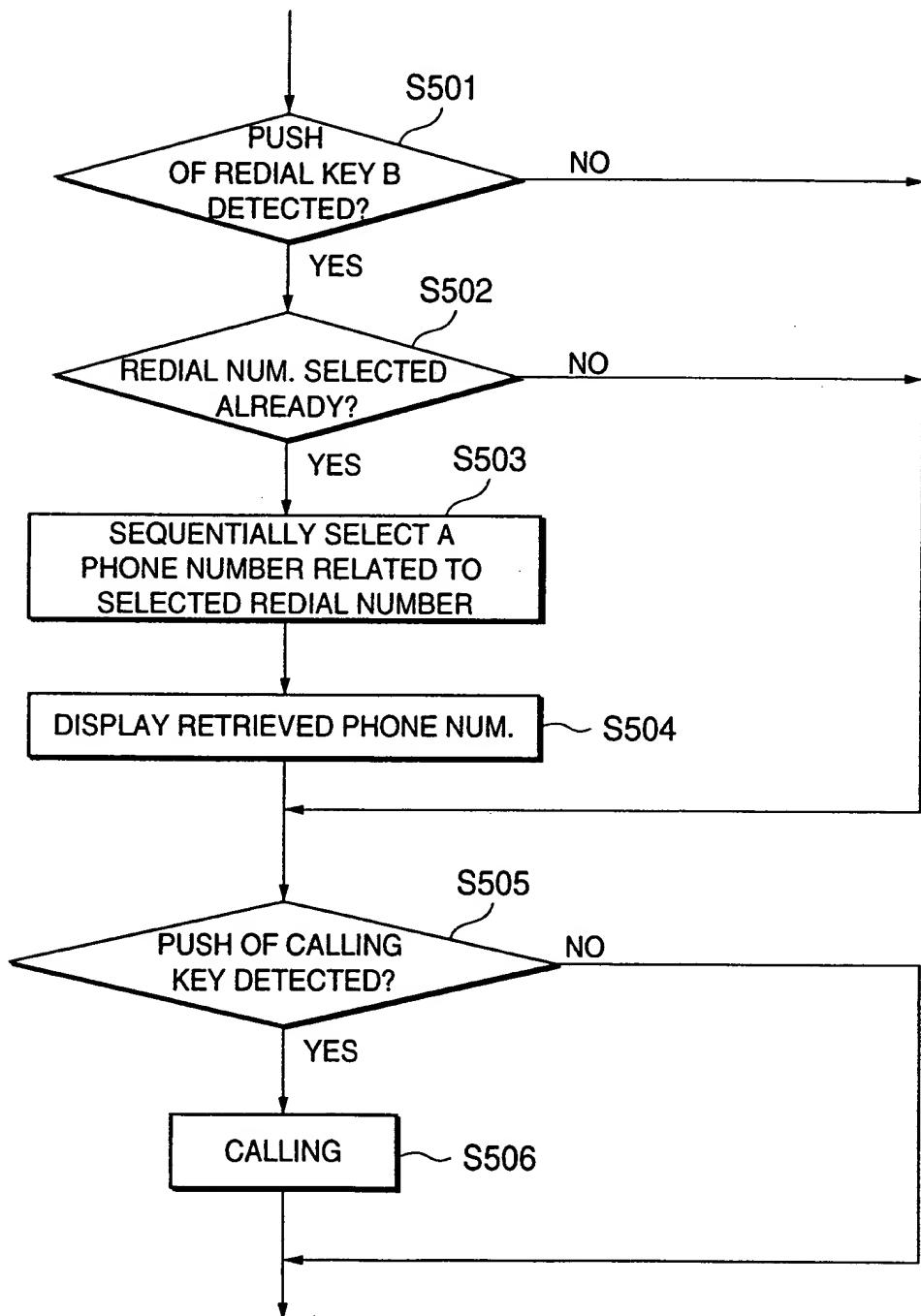
FIG. 6

REDIAL NUMBER SELECTION
BY REDIAL KEY A

REDIAL NUMBER MEMORY 104

| RN_1 |
|---|
| RN_2 |
| $\vdots$ |
| RN_L |

→ SELECTED REDIAL NUMBER RN_{SEL}
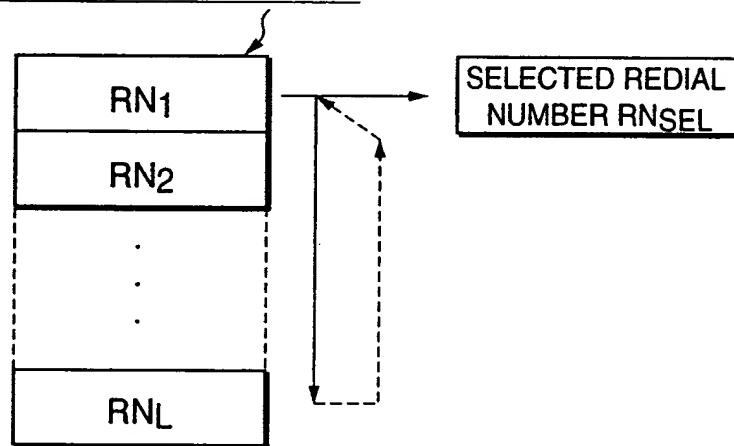
FIG. 7

RELATED NUMBER SELECTION
BY REDIAL KEY B

RELATED NUMBERS

REDIAL NUM. RN_{SEL} SELECTED BY REDIAL KEY A

TEL_1
TEL_2
$\vdots$
TEL_N

→ SELECTED PHONE NUMBER

SEARCH PHONE DIRECTORY MEMORY 103